

PATENT CLAIMS

1. A device for visualization of information on a rotating visible surface comprising light sources – N emitting diodes, evenly disposed in an array on a substrate and connected by means of a driver to a microcontroller having an independent power supply and mounted on the substrate, and a synchronization sensor connected to the microcontroller, the LEDs being of one or various colors, characterized in that the LEDs 1 are RGB, the substrate 2 is flexible, and the synchronization sensor 6 responds to gravity when mounted on a rotating surface, whose rotation axis is not perpendicular to the Earth's surface or if the rotation axis is perpendicular to the Earth's surface, the synchronization sensor is actuated at a position relative to a given immovable point and in that a light sensor 7 is connected to the microcontroller 4, which in turn is connected to a control panel 8, the two sensors (6 and 7) and the controlling deck 8 are disposed on the substrate 2 and the microcontroller 4 has a serial interface 9.

2. A device for visualization of information on a rotating visible surface according to claim 1 characterized in that the substrate may accommodate additional P parallel groups of LEDs, containing the same or different numbers of LEDs, which have the same or different colors, or are RGB, wherein these groups of LEDs may be arranged in an array, in a checkered pattern, or in any other preset pattern in the same plane or at various distances from the substrate 2.

3. A device for visualization of information on a rotating visible surface according to claim 1 characterized in that the substrate 2 is hard and has a preset profile.

4. A device for visualization of information on a rotating visible surface according to claim 1 characterized in that the bottom of the substrate is covered with a sticky foil 10.